



June 2002

Location	Time Local/ Date Standard	Path Length (Miles)	Path Width (Yards)	Numbe Perso Killed	ons	Estimated Damage Property Crops	Character of Storm	June 200
LAKE ERIE								
LEZ144 The Islands to Vermilion	The Islands To V 12 2000ES 2100ES	Γ		0	0		Marine Tstm W	ind (G35)
LEZ145 Vermilion to Avon Point	Vermilion To Av 12 2000ES 2100ES	Γ Γ		0	0		Marine Tstm W	ind (G35)
LEZ146 Avon Point to Willowick	Avon Point To V 14 1615ES 1745ES	Γ	iced wind gus	0	0 0		Marine Tstm W	ind (G35)
LEZ149 Ripley Ny	Conneaut Oh To 14 1615ES 1745ES	Γ		0	0		Marine Tstm W	ind (G35)
LEZ148 Geneva-On-The-Lake to Conneaut	Geneva On The 1 14 1615ES 1745ES		eaut Oh	0	0		Marine Tstm W	ind (G35)
LEZ166 Avon Point to Willowick	Le Avon Pt To V 14 1615ES 1745ES	Villowick Oh Byd : F F	5Nm Offshor	e To Intl Bo	order 0		Marine Tstm W	ind (G35)
LEZ169 Conneaut to Ripley Ny	Le Conneaut Oh 14 1615ES 1745ES	To Ripley Ny Byd Γ Γ	l 5Nm Offsho	re To Intl E 0	order 0		Marine Tstm W	ind (G35)
LEZ168 Geneva-On-The-Lake to Conneaut	Le Geneva On T 14 1615ES 1745ES	he Lake To Conne Г Г	eaut Oh Byd s	5Nm Offsho 0	re To Intl l 0	Border	Marine Tstm W	ind (G35)
LEZ164 The Islands to Vermilion	Le The Islands T 14 1615ES 1745ES		yd 5Nm Offsi	hore To Int	l Border 0		Marine Tstm W	ind (G35)
LEZ165 Vermilion to Avon Point	Le Vermilion To 14 1615ES 1745ES	Avon Pt Oh Byd : Г Г	5Nm Offshor	e To Intl Bo	order 0		Marine Tstm W	ind (G35)
LEZ167 Willowick to Geneva-On-The-Lake	Le Willowick To 14 1615ES 1745ES	Geneva On The I Г Г	ake Oh Byd	5Nm Offsho 0	ore To Intl	Border	Marine Tstm W	ind (G35)
LEZ144 The Islands to Vermilion	The Islands To V 14 1615ES 1745ES	Γ Γ		0	0		Marine Tstm W	ind (G35)
Vermilion to Avon Point	Vermilion To Av 14 1615ES 1745ES	Γ Γ		0	0		Marine Tstm W	ind (G35)
LEZ147 Willowick to Geneva-On-The-Lake	14 1615ES 1745ES	neva On The Lak Г Г ver Lake Erie produ		0 excess of 35	0 knots.		Marine Tstm W	ind (G35)
LEZ146 Avon Point to Willowick	Avon Point To W 15 1920ES 2000ES	/illowick Oh Г		0	0		Marine Tstm W	ind (G35)
LEZ166 Avon Point to Willowick	Le Avon Pt To V 15 1920ES 2000ES	/illowick Oh Byd : Г Г	5Nm Offshor	e To Intl Bo 0	order 0		Marine Tstm W	ind (G35)
LEZ147 Willowick to Geneva-On-The-Lake	15 1920ES 2000ES			0 excess of 35	0 knots.		Marine Tstm W	ind (G35)



Maumee Bay to

Reno Beach

1315EST 1430EST

## National Weather Service Storm Data and Unusual Weather Phenomena



Marine Tstm Wind (G35)

June 2002 Time Local/ Path Length Path Number of Estimated Persons Width Damage Character of Storm LAKE ERIE **LEZ163** Le Reno Beach To The Islands Oh Byd 5Nm Offshore To Intl Border Reno Beach to The Islands Marine Tstm Wind (G35) Le The Islands To Vermilion Oh Byd 5Nm Offshore To Intl Border LEZ164 The Islands to 1615EST Marine Tstm Wind (G35) Vermilion 1800EST Le Vermilion To Avon Pt Oh Byd 5Nm Offshore To Intl Border **LEZ165** Vermilion to Marine Tstm Wind (G35) **Avon Point LEZ143** Reno Beach To The Islands Oh Reno Beach to 1615EST 0 Marine Tstm Wind (G35) 1800EST The Islands The Islands To Vermilion Oh LEZ144 The Islands to Vermilion 17 1615EST 1800EST 0 Marine Tstm Wind (G35) LEZ145 Vermilion To Avon Point Oh Vermilion to 1615EST Marine Tstm Wind (G35) 0 **Avon Point** Thunderstorms over Lake Erie produced winds in excess of 35 knots. LEZ146 **Avon Point To Willowick Oh** Avon Point to Willowick 2100EST 2230EST Marine Tstm Wind (G39) 0 17 LEZ149 Conneaut Oh To Ripley Ny 2100EST 2230EST Ripley Ny 0 Marine Tstm Wind (G35) **LEZ148** Geneva On The Lake Oh To Conneaut Oh Geneva-On-The-Lake to 2100EST Marine Tstm Wind (G35) Conneaut 2230EST Le Avon Pt To Willowick Oh Byd 5Nm Offshore To Intl Border Avon Point to Willowick Marine Tstm Wind (G35) LEZ169 Le Conneaut Oh To Ripley Ny Byd 5Nm Offshore To Intl Border 2100EST 2230EST Conneaut to Ripley Ny 17 Marine Tstm Wind (G35) Le Geneva On The Lake To Conneaut Oh Byd 5Nm Offshore To Intl Border Geneva-On-The-Lake to Marine Tstm Wind (G35) Conneaut Le Vermilion To Avon Pt Oh Byd 5Nm Offshore To Intl Border 2100EST 2230EST Vermilion to 17 Marine Tstm Wind (G35) **Avon Point** Le Willowick To Geneva On The Lake Oh Byd 5Nm Offshore To Intl Border 2100EST 2230EST Willowick to 17 Marine Tstm Wind (G35) Geneva-On-The-Lake **Vermilion To Avon Point Oh** 2100EST 2230EST Vermilion to 17 0 Marine Tstm Wind (G35) **Avon Point** LEZ147 Willowick To Geneva On The Lake Oh Willowick to 2100EST Marine Tstm Wind (G35) 17 Geneva-On-The-Lake Thunderstorms over Lake Erie produced winds in excess of 35 knots. A 39 knot wind gust was measured at the Cleveland LEZ162 Le Detroit R Lt To Reno Beach Oh Byd 5Nm Offshore To Intl Border





June 2002 Time Local/ Path Length Path Number of Estimated Width Persons Damage LAKE ERIE **LEZ163** Le Reno Beach To The Islands Oh Byd 5Nm Offshore To Intl Border Reno Beach to The Islands Marine Tstm Wind (G35) LEZ142 Maumee Bay To Reno Beach Oh Maumee Bay to 1315EST 0 Marine Tstm Wind (G35) Reno Beach 1430EST Reno Beach To The Islands Oh **LEZ143** Reno Beach to The Islands 0 Marine Tstm Wind (G37) Thunderstorms over the western basin of Lake Erie produced winds in excess of 35 knots. A 37 knot thunderstorm wind gust was measured at South Bass Island. **LEZ149** Conneaut Oh To Ripley Ny Marine Tstm Wind (G35) Ripley Ny 21 0 **LEZ169** Le Conneaut Oh To Ripley Ny Byd 5Nm Offshore To Intl Border Marine Tstm Wind (G35) Conneaut to Ripley Ny Thunderstorms over Lake Erie produced winds in excess of 35 knots. OHIO, North **Hancock County** Arlington 2010EST 5K Hail(0.75) Dime size hail was observed. **Hancock County** Mt Blanchard 03 2020EST Hail(0.75) 0 0 5K Dime size hail was observed. **Wyandot County** Kirby 03 2035EST 2K Hail(0.75) Dime size hail was observed three miles west of Kirby. Sandusky County Fremont 03 2100EST 0 0 10K Thunderstorm Wind Thunderstorm winds downed several trees. **Richland County** Lexington 5K Dime size hail was observed east of Lexington near the intersection of Interstate 71 and State Route 13. **Crawford County** Crestline to 03 2115EST 50K Flood Galion 2300EST Thunderstorms dumped over three inches of rain on southeastern Crawford County. Widespread street and lowland flooding occurred resulting in many roads being closed. Up to two feet of water was reported flowing over roads in Crestline. **Richland County** 03 2115EST 50K Countywide Flood Thunderstorms dumped two to three inches of rain on the southern and western sections of Richland County. Widespread street and lowland flooding occurred. Several roads had to be closed due to flooding. **Richland County** Mansfield 2130EST 10K Hail(1.00) Quarter size hail was observed.





June 2002 Path Length (Miles) Time Local/ Path Width Number of Estimated Persons Damage OHIO, North Seneca County Republic 04 1200EST 0 0 5K Hail(0.88) Nickel size hail was reported six miles east of Republic. Seneca County Thunderstorm Wind (G52) Republic 04 1200EST Thunderstorm winds estimated at 60 mph tore the roof off of a barn six miles east of Republic. **Seneca County** Tiffin 10K Thunderstorm Wind Thunderstorm winds downed several trees along US Highway 224 near Tiffin. **Huron County** 1210EST 2K Hail(0.75) Wakeman Dime size hail was observed two miles northeast of Wakeman. **Lorain County** Kipton 04 1215EST 0 5K Hail(0.88) Nickel size hail was observed a mile and a half north of Kipton. **Cuyahoga County North Royalton** 04 1315EST 0 2K Hail(0.75) Dime size hail was observed. **Geauga County** Newbury 1315EST 0 2KHail(0.75) Dime size hail was observed east of Newbury in Punderson State Park. Seneca County 0 Countywide 04 1320EST 0 20K Thunderstorm Wind Thunderstorm winds downed many trees across the county. **Summit County** Macedonia 04 1335EST 0 0 15K Thunderstorm Wind Thunderstorm winds downed six trees. **Seneca County New Riegel** 04 1336EST 0 0 75K Lightning Lightning caused a house fire. **Trumbull County** Mesopotamia 04 1350EST 0 0 5K Thunderstorm Wind Thunderstorm winds downed two large trees. **Portage County** Atwater 04 1400EST 0 2K Hail(0.75) Dime size hail was observed. **Stark County** Hartville 1400EST 5K 04 0 0 Hail(0.88) Nickel size hail was observed. **Stark County** Louisville 1442EST 1443EST 0 0 5K Hail(0.88) Nickel size hail was reported. **Stark County** Louisville 1443EST Hail(0.88) 0 0 5K Nickel size hail was observed. **Mahoning County** 1445EST **New Springfield** 04 0 0 2KThunderstorm Wind





June 2002 Path Length (Miles) Time Local/ Path Width Number of Estimated Persons Damage OHIO, North Thunderstorm winds downed several large tree limbs. **Stark County** 1452EST 10K Alliance 0 Hail(1.00) Quarter size hail was observed. **Stark County** Robertsville 04 1542EST 5K Hail(0.88) Nickel size hail was reported east of Robertsville near Minerva **Stark County** 150K **Thunderstorm Wind** 1700EST 0 Lake Cable 04 Thunderstorm winds downed 30 to 40 trees and severely damaged two homes. **Stark County** Hartville 04 1705EST 0 0 2K Hail(0.75) Dime size hail was observed. **Wayne County** 1708EST Smithville 0 0 2K Hail(0.75) Dime size hail was observed. **Wayne County** 1712EST 10K Hail(1.00) Wooster Quarter size hail was observed five miles north of Wooster. **Wayne County** 1727EST 0 **Burton City** 04 0 10K Hail(1.00) Quarter size hail was observed. **Wayne County Burton City** 1727EST 0 Thunderstorm Wind 0 2KThunderstorm winds downed a large tree. **Stark County** 1751EST 10K Hail(1.00) Massillon Quarter size hail was observed five miles north of Massillon. **Richland County** 1830EST 0 Lucas 0 2K Hail(0.75) Dime size hail was observed. **Ashland County** 1845EST Jeromesville 04 0 0 10K Hail(1.00) Dime to quarter size hail was observed. **Wayne County** Wooster 0 10K Hail(1.00) Quarter size hail was observed seven miles north of Wooster. **Ashtabula County** Pierpont 2230EST 0 0 10K Hail(1.00) Quarter size hail was observed. **Ashtabula County** Pierpont 04 2230EST 0 0 5K Thunderstorm Wind Thunderstorm winds downed several trees. **Holmes County** Millersburg 04 Thunderstorm Wind Thunderstorm winds downed several trees northeast of Millersburg along State Route 241. **Holmes County** Countywide 05 0005EST 0700EST 0 0 750K Flash Flood





Time Local/ Length Width Persons Damage
Location Date Standard (Miles) (Yards) Killed Injured Property Crops Character of Storm

#### OHIO, North

Thunderstorms dumped three and one half inches of rain on Millersburg and over 5 inches of rain elsewhere in Holmes County during the evening hours of the 4th and early morning hours of the 5th. Widespread flooding occurred across the county with numerous roads and bridges washed out. Hardest hit was the south side of Millersburg where flood waters up to five feet in depth washed out sections of State Route 83 and US Highway 62 and damaged many homes and businesses. Near Killbuck, State Route 520 was washed out and a bridge over State Route 60 north of town was severely damaged. State Route 514 was damaged near Nashville and Township Road 264 was also washed out. A trained spotter measured 5.5 inches of rainfall ten miles west of Millersburg.

Ashtabula County Pierpont	<b>05 0030EST</b> Dime size hail was observed four miles north of F	<b>0</b> Pierpont.	0	2K	Hail(0.75)
Stark County Hartville	<b>05 1435EST</b> Dime size hail was observed.	0	0	2K	Hail(0.75)
Stark County Hartville	05 1435EST Dime size hail was observed.	0	0	2K	Hail(0.75)
Morrow County Mt Gilead	<b>05 1439EST</b> Quarter size hail was observed.	0	0	5K	Hail(1.00)
Stark County North Canton to Hartville	05 1459EST  Thunderstorm winds downed a few trees in Plain Hartville.	0 and Lake To	0 ownships.	<b>50K</b> A home was d	Thunderstorm Wind lamaged by a tree in Lake Township west of
Summit County Fairlawn	05 1500EST	0	0	75K	Lightning
raniawii	Lightning caused a house fire.	U	U	/3K	Lightining
Stark County Hartville	05 1503EST Quarter size hail was observed just east of Hartvil	<b>0</b> lle.	0	5K	Hail(1.00)
Mahoning County Poland	05 1505EST Quarter size hail was observed.	0	0	5K	Hail(1.00)
Knox County Mt Vernon	05 1510EST Thunderstorm winds downed a few trees.	0	0	15K	Thunderstorm Wind
Holmes County Lakeville	05 1525EST Dime size hail was observed.	0	0	5K	Hail(0.75)
Wayne County Congress to Creston	05 1526EST 1530EST Thunderstorm winds downed trees near Congress	0 and Creston	0	10K	Thunderstorm Wind
Geauga County Bainbridge to Welshfield	05 1530EST Thunderstorm winds downed trees near Bainbridg	<b>0</b> ge and just no	0 orth of We	<b>10K</b> lshfield.	Thunderstorm Wind





June 2002 Time Local/ Path Length Path Number of Estimated Width Persons Damage OHIO, North **Holmes County** Countywide 05 1530EST 0 0 35K **Thunderstorm Wind** Thunderstorm winds downed many trees near Lakeville, Millersburg and Killbuck. A home in Killbuck was damaged by a tree **Ashland County** 05 1545EST 0 **Ashland** 0 25K Thunderstorm Wind Thunderstorm winds downed many trees. A store building was slightly damaged by flying debris **Stark County** Canton 05 1548EST 0 30K **Thunderstorm Wind** Thunderstorm winds downed several trees and large tree limbs. At least one home was damaged by a fallen tree and a second home had a chimney toppled. **Trumbull County** Countywide 05 0 25K Thunderstorm Wind Thunderstorm winds downed many trees across the northern half of Trumbull County. **Summit County** Richfield to 14 1525EST 0 5K Thunderstorm Wind Twinsburg Thunderstorm winds downed trees in Richfield and Twinsburg. **Cuyahoga County** University Hgts to Solon 14 0 0 5K Thunderstorm Wind Thunderstorm winds downed trees in University Heights and Solon. Geauga County Chesterland 1550EST 0 2K Thunderstorm Wind 14 0 Thunderstorm winds downed one tree and a large limb. **Huron County Collins** 1550EST 0 5K Hail(0.75) Dime size hail was observed. **Portage County** 1550EST 0 0 2K Thunderstorm Wind Aurora Thunderstorm winds downed two large limbs. **Hancock County Findlay** 14 1555EST 5K Hail(0.75) Dime size hail was observed. **Erie County** 1605EST Vermilion 5K Hail(0.75) 14 0 0 Dime size hail was observed. **Lorain County** Vermilion On The Lk 1615EST 0 2KHail(0.75) Dime size hail was observed. **Ashtabula County** 14 1630EST 10K Thunderstorm Wind Orwell 0 Thunderstorm winds downed several trees in and around Orwell **Trumbull County** 1630EST Hail(0.75) Mesopotamia 14 2K Dime size hail was observed. Sandusky County

0

0

2K

Hail(0.75)

1330EST

21

**Fremont** 



Number of

Estimated



June 2002

Time Local/ Path Length Path Width Persons Damage OHIO, North Dime size hail was observed. **Ottawa County** 1400EST 0 **Port Clinton** 21 0 125K Thunderstorm Wind Thunderstorm winds downed at least a dozen trees. Three of the trees damaged houses. Three cars were also damaged. **Erie County** Sandusky 21 1410EST 0 0 Hail(0.75) Dime size hail was observed. **Erie County** Sandusky 1410EST 10K Thunderstorm Wind Thunderstorm winds toppled two power poles. **Cuyahoga County** Cleveland 1420EST 25K Thunderstorm Wind 21 0 0 Thunderstorm winds downed several trees. **Ashtabula County** Mechanicsville 21 1440EST 0 0 125K Thunderstorm Wind Thunderstorm winds downed at least five trees. Three buildings were damaged and a truck was destroyed. A grain bin was also toppled. **Erie County** Thunderstorm Wind  $(G53)^M$ Vermilion 21 1445EST A 61 mph thunderstorm wind gust was measured. **Cuyahoga County** 1500EST Cleveland 21 0 0 2K Hail(0.75) Dime size was observed. **Lorain County** North Ridgeville 21 1528EST 15K Thunderstorm Wind Thunderstorm winds downed two trees and several large limbs. **Cuyahoga County** 0 0 5K Hail(0.75) Valley View 21 1532EST 1537EST Dime size hail was observed. **Cuyahoga County Garfield Hgts** 1540EST Hail(0.75) 21 0 0 5K Dime size hail was observed. **Cuyahoga County Garfield Hgts** 1540EST 15K Thunderstorm Wind Thunderstorm winds downed several large trees. **Geauga County** Montville 1558EST 5K Thunderstorm Wind 21 0 0 Thunderstorm winds downed two trees. **Geauga County** Montville to Parkman 1615EST 1625EST 3K Thunderstorm Wind Thunderstorm winds downed a tree near Montville and a large limb in Parkman **Ashtabula County** Jefferson 10K Thunderstorm Wind Thunderstorm winds downed several trees in and around Jefferson. **Ashtabula County** 1645EST Thunderstorm Wind  $(G57)^M$ Ashtabula Co Arpt 21 0 0





June 2002 Time Local/ Path Length Path Width Number of Estimated Persons Damage OHIO, North A 66 mph thunderstorm wind gust was measured. **Lake County** Madison 21 1645EST 10K Hail(1.00) 25K Quarter size hail was observed five miles south of Madison. The hail damaged the grape crop at a vineyard. **Trumbull County** 21 1645EST 2K Hail(0.75) Mesopotamia Dime size hail was observed. **Wayne County** Shreve 26 1530EST 75K Thunderstorm Wind Thunderstorm winds downed 20 to 30 trees one mile east of Shreve along Valley Road. At least one home was damaged by the fallen trees. **Holmes County** Millersburg 26 1600EST 0 5K Thunderstorm Wind Thunderstorm winds downed several large tree limbs near Millersburg. **Ashtabula County** Jefferson 26 1920EST 0 20K Thunderstorm Wind Thunderstorm winds downed a tree in Jefferson and a second tree three miles south of town. The tree to the south of town damaged a parked car. **Stark County** Canton 27 1205EST 2K Hail(0.75) Dime size was observed in Canton near Belden Village. **Knox County** Fredericktown 1210EST 0 0 8K Thunderstorm Wind Thunderstorm winds downed at least three trees. **Knox County** Bladensburg 1250EST 10K Thunderstorm Wind Thunderstorm winds downed four trees. PENNSYLVANIA, Northwest **Crawford County** Crossingville 1500EST 0 2K Hail(0.75) Dime size hail was observed five miles east of Crossingville. **Erie County** Corry 04 1530EST 2KHail(0.75) Dime size hail was observed. **Erie County** 1530EST **Union City** 04 O 0 2K Hail(0.75) Dime size hail was observed. **Crawford County** Cambridge Spgs 2245EST 10K Thunderstorm Wind Thunderstorm winds downed several trees. **Crawford County** Linesville 0.2 200 50K Tornado (F1) A F1 tornado briefly touched down two miles northeast of Linesville. The tornado had a damage path nearly a quarter mile in length

and 200 yards in width. No structural damage occurred, but dozens of trees were toppled.





Time Path Path Number of Estimated Date Standard (Miles) (Yards) Killed Injured Property Crops Character of Storm

#### PENNSYLVANIA, Northwest

		•				
Crawford County						
Countywide	05	1535EST 1625EST	0	0	100K	Thunderstorm Wind
	Thund	erstorm winds downed dozens of trees across	the count	y. A few	of the hardest hit to	owns include Centerville, Linesville,
	Cochr	anton and Conneaut Lake.				
Erie County						
Albion	05	1545EST	0	0	10K	Thunderstorm Wind
	Thund	erstorm winds downed a few trees.				
Crawford County						
Conneautville	05	1550EST	0	0	25K	Thunderstorm Wind
		erstorm winds downed a large number of trees	s southwes	st of Con	neautville near the in	tersection of West Center Road and
	Linesy	rille-Conneautville Road.				
Crawford County						
Conneaut Lake	05	1615EST	0	0	60K	Thunderstorm Wind
	Thund down.	erstorm winds overturned and destroyed a mob	oile home	just south	of Conneaut Lake.	Eight trees nearby were also blown
	down.					
Crawford County						
Spartansburg	05	1640EST	0	0	5K	Hail(0.75)
	Dime	size hail was observed southwest of Spartansbur	g.			
Crawford County						
Cambridge Spgs	14	1710EST size hail was observed.	0	0	2K	Hail(0.75)
	Dime	size naii was observed.				
Erie County						
Union City	14 Thund	1735EST erstorm winds downed two trees.	0	0	5K	Thunderstorm Wind
	Huma	erstorm whites downed two trees.				
Erie County						
Harborcreek	27 Thund	<b>1230EST</b> erstorm winds downed several large tree limbs.	0	0	2K	Thunderstorm Wind
	Hullu	costorni winus uowiicu severai iarge tiee iliilus.				